



**OFFICE OF THE DIVISIONAL FOREST OFFICER
JAMMU FOREST DIVISION JAMMU**

Tel. & Fax No. 0191-2543516
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**The Conservator of Forests,
East Circle,
Jammu.**

No: DFO-J/FCA/ 4051-54

Dt: 18/11/2020

Subject: - Work programme of Compensatory Afforestation w.r.t Forest Clearance of Road from Tanda to Kappian De Ban-II by PMGSY.

Ref:- FCA Proposal No.: FP/JK/ROAD/45646/2020

Sir,

On the above Captioned subject and reference, kindly find enclosed herewith scheme for Compensatory Afforestation to be raised in lieu of diversion of forest land involved in construction of road from Tanda to Kappian De Bhan-II has been prepared. The details of which are given below:

S.No	Proposal No.	Co. No	SOI Map	Geo reference	Area involved for diversion	CA	Canopy Density	Spp. To be planted
1	FP/JK/ROAD/45646/2020	20/K	Enclosed	Enclosed	1.36 Hac	2.75Hac.	<10%	Mangifera indica, Emblica officinalis, Psidium guajava, Vitux negundo, Pyrus lanata, Ziziphus jujuba, Ficus benghalensis, Pinus roxburghii

It is as such requested that the work programme scheme for Compensatory Afforestation may kindly be perused and necessary T.S/A.A be accorded please.

Yours faithfully,


(Alok Kumar Maurya), IFS
Divisional Forest Officer,
Jammu Forest Division,
Jammu

1. Copy submitted to Pr.Chief Conservator of Forest, J&K Govt. for favour of information and necessary action.
2. Copy submitted to Addl. Chief Conservator of Forest & Nodal Officer (FCA) O/o the, Pr.CCF J&K for favour of information and necessary action
3. Copy submitted to Chief Conservator of Forest, Jammu for favour of information.



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**“Scheme For Compensatory Afforestation Of FCA
Proposal No:-FP/JK/ROAD/45646/2020 Titled Tanda to Kappian De
Ban-II in Kalidhar Range of Jammu Forest Division”**

Detail scheme for compensatory Afforestation to be carried out in lieu of diversion of 1.36 Hectare of forest land for the construction of Road from Tanda to Kappian De Ban to be constructed by PMGSY Division Jammu. Afforestation will be done over (1.36x2= 2.72 Or say 2.75 Hac.) i.e two times the forest land area to be diverted.

1). **Details of degraded forest Land / Non-forest land:-**

a	District	Jammu
b	Village(Name of land Bank)	Kappian De Ban
c	Tehsil	Akhnoor
d	Name of Forest Division	Jammu
e	Range	Kalidhar
f	Block/Compartment/Survey	Chowki/20/K/43L/9
g	Area to be afforested	2.75 Hectare

2). **Description of Area:-**

- a) Type of Land: Forest
- b) Soil Type: Rocky (soft) and Sandy loom
- c) Topography: Hilly
- d) Slope: Steep/Medium/Gentle

3) **Plantation Model:-** Compensatory Afforestation over an area of 2.75 Hac. of degraded forest land is proposed to be raised. The area selected for this purpose is in Kappian De Ban-II, which is degraded forest area and has been a land bank. Presently the area supports scattered trees. Whole of the plantation of 2.75 will be raised in a single compact block inside the degraded forest for such purpose. The area identified for plantation has also been shown on the attached map. Plants @1000 plants per hectare will be planted. The species to be planted will be mainly broad leaved and other Misc. species of fruit plants etc. The plantation will be raised in the following year after the approval of FCA proposal and further maintenance and beating up of failures will be done for the subsequent ten years. The scheme will be implanted by Forest Department through DFO, Jammu. Total financial outlay for compensatory plantation scheme is **Rs.13,23,700/-** Site is suitable for Compensatory Afforestation. The monitoring will be done as per existing monitoring mechanism in the forest department at present.

4). **Cost structure of the scheme is mentioned below:-**



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S.No.	Particular	Range	Location	Area in Hac	Phy.	Rate in Rs.	Fin in lac	Remarks
A	Fencing in Rft							
i	Fencing Sq. PCC Posts each pole cement concrete with Chain link	Kalidhar	20/K	2.75	3400	132/- per Rft	4.488	Canopy density <5%
	<u>Live hedge Fencing @ Rs.3/- per cutting each rft (In Rft)</u>							
ii	Live hedge fencing Ipomia cutting Jatropa etc	Kalidhar	20/K		3400	6.35/ rft	0.216	
	Total Fencing						4.704	
B	<u>Pit plantation of poly bag plants 1000 P.B. Plants per Hac (Nos)</u>							
i	Pit planting	Kalidhar	20/K		1360	29.34/ plant	0.399	Spp. To be planted are Mangifera Indeca, Emblica officinalis, Psidium guajava, Vitus negundo, Pyrus lanata, Ziziphus jujuba, Ficus benghalensis
	<u>Patch Sowing</u>							
ii	Patch sowing in 45cmx45cmx15cm patches				500	6.99/ plant	0.035	
	Total Plantation						0.434	
C	Plant Production in Nos							
i	Raising of poly bag Plants	Kalidhar	Muthi Nursery		2200	8.03/ plant	0.177	
	Sub Total			0	2200		0.177	
ii	Maintt. of Plants in Nos							
	Maintenance of Plants	Kalidhar	Muthi Nursery		2200	2.66/ plant	0.059	
	Sub Total				2200		0.059	
	Total Plant Production						0.235	
D	Soil and Moisture Conservation							
i	DRSM/Crate Work	Kalidhar	20/K		40	1099/- per Cum	0.440	
	Total S& MC						0.440	
F	<u>Maintt. of Closures (Lum Sum @ 10% of Fencing Cost)</u>							
	IInd Year	Kalidhar				LS	0.449	
	IIIRD Year	Kalidhar				LS	0.449	



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	IVth Year	Kalidhar			LS	0.449	
	Vth Year	Kalidhar			LS	0.449	
	VIth Year	Kalidhar			LS	0.449	
	VIIth Year	Kalidhar			LS	0.449	
	VIIIth Year	Kalidhar			LS	0.449	
	IXth Year	Kalidhar			LS	0.449	
	Xth Year	Kalidhar			LS	0.449	
	Sub Total					4.041	
	BUC (Nos)						
	Ist Year	Kalidhar		340	29.34/ plant	0.100	
	IInd Year	Kalidhar		204	29.34/ plant	0.060	
	IIIrd Year	Kalidhar		68	29.34/ plant	0.020	
	Sub Total			612		0.180	
	Total Maintenance					10.033	
G	Transplanting of important spp				LS	2.000	
H	Office expenses/ IT Equipments/O.H ect. 10%					1.003	
I	Monitoring & Evaluation 2%					0.201	
	G.Total					13.237	

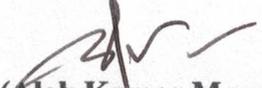
- 5) Technical Details:-** Technical details of Compensatory Afforestation Scheme are as follows:-
- a) **General Details:-** An area of 2.75 Ha will be taken up for planting under compensatory Afforestation scheme in compartment No 20/K in a single compact block. The area will be protected by Barbed Wire fencing and a mixture of broad leaved species with fruit bear will be planted . Plants will be planted @1000 per hectare
Species :- Broad Leaved and Fruit plants
- b) **Plantation Method:-** Nursery grown one year old plants of Mixed species of Broadleaved and Fruit plants in Polythene bags will be planted in 45x45x45 cm pits in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which beating up causalities will be done. The plantation will be rainfed.
- c) **Soil and Moisture Conservation Works:-** Minor soil conservation works like Drsm/Crate Works will be done where ever required.
- d) **Protection (Fencing, Watch man, People's Participation etc):** Area will be protected from grazing by erecting barbed wire fencing around the plantation. Further watch and ward as also fire protection will be ensured.



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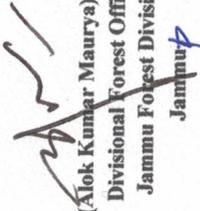
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- e) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the department.


**(Alok Kumar Maurya), IFS
Divisional Forest Officer
Jammu Forest Division
Jammu**

Work Programme Compensatory Afforestation of FCA Proposal No:-FP/JK/ROAD/45646/2020 (Tanda to Kappian De Ban-II Road by PMGSY)

S.no	Particular	2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31		Total	
		Phy	Fin	Phy	Fin																		
1	Fencing in Rft	3400	4.488	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3400	4.488
2	Live hedge Fencing @ RS 3/- per cutting each rft (in Rft)	3400	0.216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3400	0.216
3	Pit plantation of poly bag plants 1000 P.B. plants per Hac (Nos)	0	0	1360	0.399	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1360	0.399
4	Patch Sowing	0	0	500	0.035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	0.035
5	<u>Plant production in Nos</u>																						
i	Raising of poly bag plants	2200	0.177	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2200	0.177
ii	Maint. Of plants in Nos	0	0	2200	0.059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2200	0.059
6	<u>Soil and moisture conservation</u>																						
i	DRSM	40	0.440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0.440
7	Maint. Of closures (Lum Sum @ 10 % of Fencing Cost	LS	0	0	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0	4.041
8	BUC	0	0	0	0	340	0.100	204	0.060	68	0.020	0	0	0	0	0	0	0	0	0	0	612	0.180
9	Transplanting of Important spp.	LS	2.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.000
10	Office expenses / IT Equipments/ O.H Etc. 10%	0	0.103	0	0.100	0	0.100	0	0.100	0	0.100	0	0.100	0	0.100	0	0.100	0	0.100	0	0.100	0	1.003
11	Monitoring & Evaluation 2 %	0	0.021	0	0.020	0	0.020	0	0.020	0	0.020	0	0.020	0	0.020	0	0.020	0	0.020	0	0.020	0	0.201
	Total		7.444		1.061		0.669		0.629		0.589		0.569	0	13.237								


 (Alok Kumar Maurya), IFS
 Divisional Forest Officer
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**SITE SUITABILITY CERTIFICATE FOR
COMPENSATORY AFFORESTATION**

This is to certify that the location/site identified for the Compensatory Afforestation in lieu of diversion of 1.36 Ha. of forest land for Construction of Road from Tanda to Kappian De Ban-II by PMGSY in Kalidhar Forest Range of Jammu Forest Division, is degraded Forest land and found to be suitable for Compensatory Afforestation from the management point of view on following location. This is required for establishment and greening of ecologically fragile and degraded forest area to improve micro-ecology of the area.

S.no	Location	Range	Plantation area (Ha)	PCC Square Fencing (Rft)	Division	Remarks
1	20/K	Kalidhar	2.75 Ha.	3400	Jammu	Ten years plan has been proposed for CA


**(Pawan Sharma)
Range Forest Officer
Forest Range Jammu**

c/s


**(Alok Kumar Maurya), IFS
Devisional Forest Officer
Jammu Forest Division
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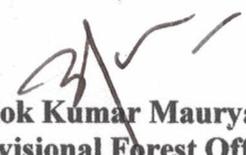
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CERTIFICATE FOR DEGRADED FOREST LAND

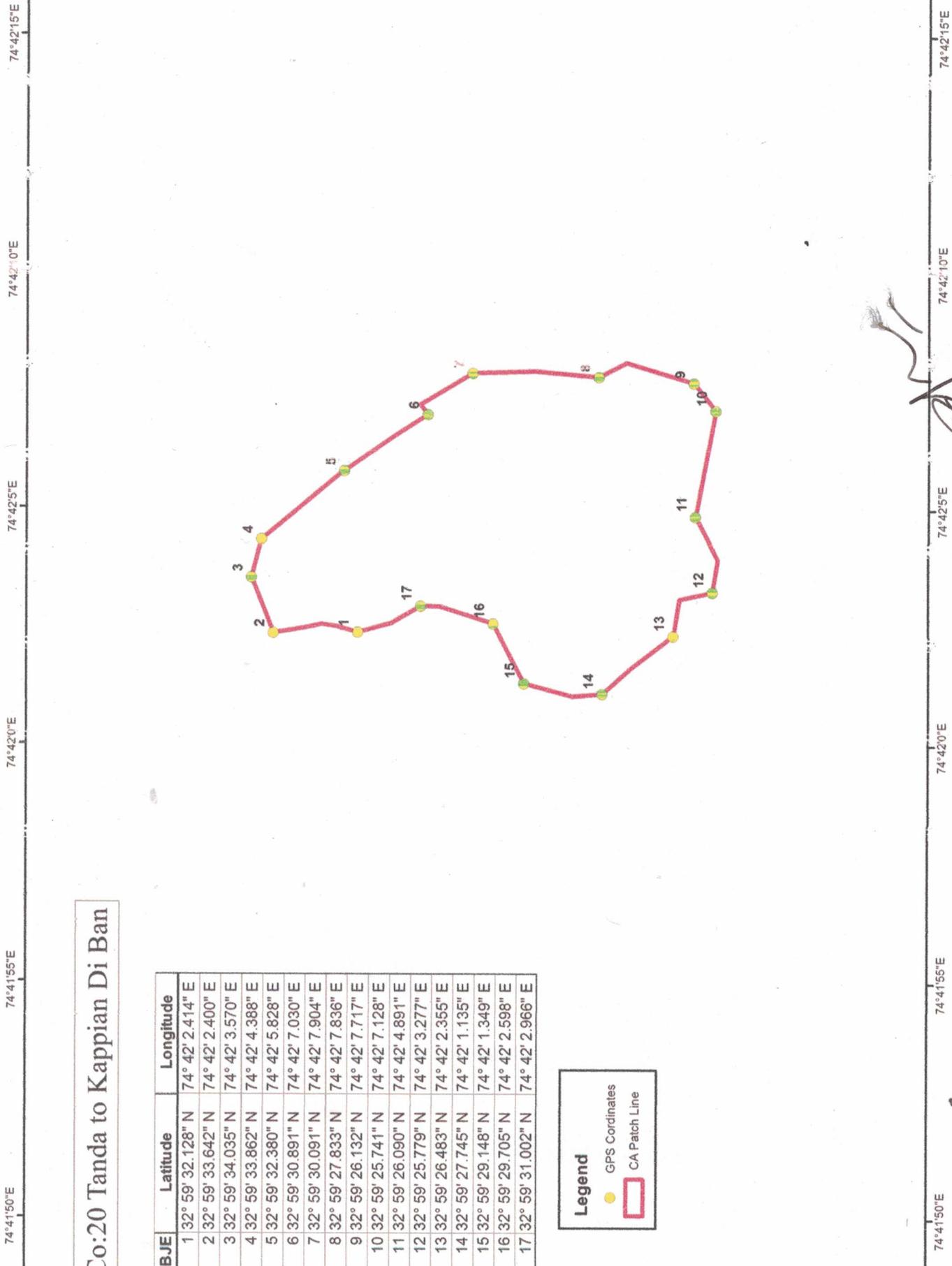
This is certify that area, selected for compensatory Afforestation in compartment no.20/K, to be taken up in lieu of diversion of 1.36 Ha. of forest land for Construction of Road from Tanda to Kappian De Ban-II by PMGSY is totally degraded forest land in Kalidhar Forest Range of Jammu Forest Division.


(Pawan Sharma)
Range Forest Officer
Forest Range Jammu

cls


(Alok Kumar Maurya, IFS)
Divisional Forest Officer
Jammu Forest Division
Jammu *

GEOREFERENCE MAP OF CA PATCH



Co:20 Tanda to Kappian Di Ban

OBJE	Latitude	Longitude
1	32° 59' 32.128" N	74° 42' 2.414" E
2	32° 59' 33.642" N	74° 42' 2.400" E
3	32° 59' 34.035" N	74° 42' 3.570" E
4	32° 59' 33.862" N	74° 42' 4.388" E
5	32° 59' 32.380" N	74° 42' 5.828" E
6	32° 59' 30.891" N	74° 42' 7.030" E
7	32° 59' 30.091" N	74° 42' 7.904" E
8	32° 59' 27.833" N	74° 42' 7.836" E
9	32° 59' 26.132" N	74° 42' 7.717" E
10	32° 59' 25.741" N	74° 42' 7.128" E
11	32° 59' 26.090" N	74° 42' 4.891" E
12	32° 59' 25.779" N	74° 42' 3.277" E
13	32° 59' 26.483" N	74° 42' 2.355" E
14	32° 59' 27.745" N	74° 42' 1.135" E
15	32° 59' 29.148" N	74° 42' 1.349" E
16	32° 59' 29.705" N	74° 42' 2.598" E
17	32° 59' 31.002" N	74° 42' 2.966" E

Legend

- GPS Coordinates
- CA Patch Line

74°41'50"E 74°41'55"E 74°42'0"E 74°42'5"E 74°42'10"E 74°42'15"E

32°59'35"N 32°59'30"N 32°59'25"N

SOI MAP OF CA PATCH



32°59'30"N

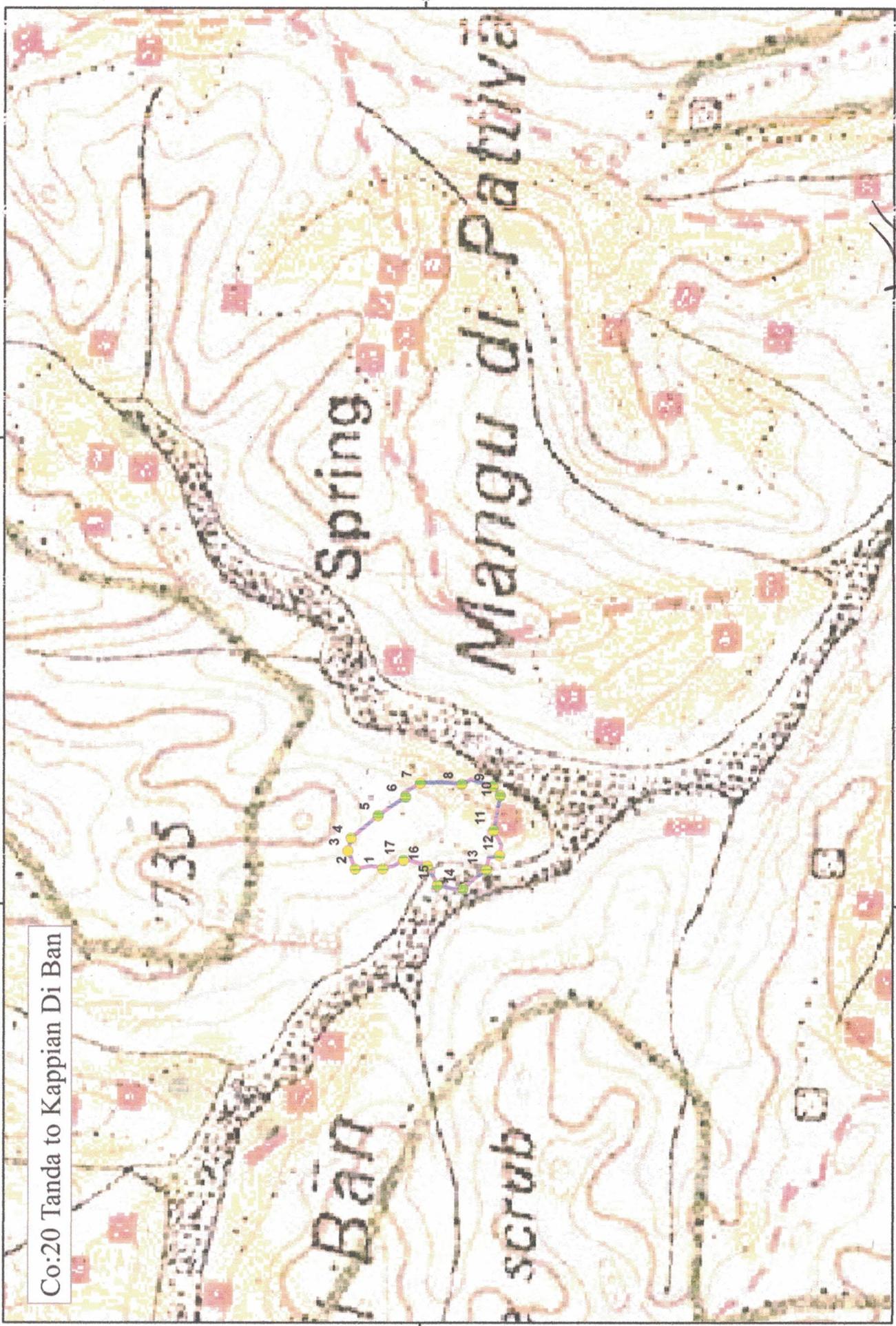
74°42'30"E

74°42'0"E

74°42'30"E

74°42'0"E

Co:20 Tanda to Kappian Di Ban



Legend

- GPS
- CA Patch Line

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Jammu Forest Division

GT Sheet No 43 L/9
Scale 1:50000

32°59'30"N